

IN THE TITLE:

Please replace the title with:

METHOD OF MANUFACTURING A MICROMETER-SCALED ELECTRONIC-CHARGE-TRANSFERRING DEVICE

IN THE ABSTRACT:

Please replace the abstract with the abstract provided herein on a separate page.

B1
ABSTRACT

A method of manufacturing an electronic-charge-transferring device includes providing a charged species source and a charge species drain and providing a movable component for transferring charge to the charged species drain. A first protrusion proximate to the moveable component and a second protrusion proximate to the moveable component are also provided. The moveable component is positioned in close proximity to the charged species source, and at least one of the moveable component, the first protrusion and the second protrusion is of a micrometer scale or smaller.

IN THE CLAIMS:

B2
1. (Presently Amended) A method of manufacturing an electronic-charge-transferring device comprising:

providing a charged species source and a charge species drain; and
providing manufacturing a movable component for transferring charge to the charged species drain, a first protrusion proximate to the moveable component, and a second protrusion proximate to the moveable component, wherein the moveable component is positioned in close proximity to the charged species source, and wherein at least one of the

moveable component, the first protrusion and the second protrusion is of a micrometer scale or smaller micro-manufactured.

2. (Presently Amended) The method of claim 1, wherein the providing a charged species source and a charge species drain step comprises providing a micro-manufactured charged species source of a micrometer scale or smaller.

3. (Presently Amended) The method of claim 1, wherein the providing a charged species source and a charge species drain step comprises providing a micro-manufactured charged species drain of a micrometer scale or smaller.

4. (Presently Amended) The method of claim 1, wherein the providing a charged species source and a charge species drain step comprises providing the charged species source and the charged species drain in contact with the moveable component.

b2

5. (Presently Amended) The method of claim 1, wherein the providing a movable component manufacturing step comprises including a first material in the first protrusion and a second material, different from the first material, in the second protrusion.

6. (Presently Amended) The method of claim 5, wherein the providing a movable component manufacturing step comprises including a third material, different from the first material and the second material, in the moveable component.

7. (Original) The method of claim 1, further comprising positioning the first protrusion and the second protrusion in contact with the moveable component.

8. (Original) The method of claim 1, further comprising electrically connecting a device to the charged species drain.

Claims 9-20 (Cancelled).

21. (Newly Added) The method of claim 1, wherein at least one of the moveable component, the first protrusion and the second protrusion is of a nanometer scale.

22. (Newly Added) The method of claim 1, wherein at least one of the charged species source and the charged species drain is of a nanometer scale.

23. (Newly Added) The method of claim 1, wherein the movable component is a nonconductive plate.

24. (Newly Added) The method of claim 11, wherein the movable component is operable to be one of rotated and translated.

25. (Newly Added) A method of manufacturing an electronic-charge-transferring device comprising:

providing a charged species source and a charge species drain;

providing a first movable component for transferring charge to the charged species drain, a first protrusion proximate to the first moveable component, and a second protrusion proximate to the moveable component, wherein at least one of the moveable component, the first protrusion and the second protrusion is of a micrometer scale or smaller;

providing a second movable component for transferring charge to the charged species drain, a third protrusion proximate to the second moveable component, and a fourth protrusion proximate to the second moveable component, wherein at least one of the second moveable component, the third protrusion and the fourth protrusion is of a micrometer scale or smaller.

26. (Newly Added) The method of claim 25, further comprising providing a device connected to the charged species drain to receive current generated from using both the first movable component and the second moveable component.

27. (Newly Added) The method of claim 25, wherein the providing a charged species source and a charge species drain step comprises providing a charged species source of a micrometer scale or smaller.

28. (Newly Added) The method of claim 25, wherein the providing a charged species source and a charge species drain step comprises providing a charged species drain of a micrometer scale or smaller.

29. (Newly Added) The method of claim 25, wherein the providing a charged species source and a charge species drain step comprises providing the charged species source and the charged species drain in contact with the first moveable component and the second moveable component.

30. (Newly Added) The method of claim 25, wherein the providing a first movable component step comprises including a first material in the first protrusion and a second material, different from the first material, in the second protrusion; and

the providing a second movable component step comprises including the first material in the third protrusion and the second material in the fourth protrusion.

31. (Newly Added) The method of claim 25, wherein the providing a first movable component step comprises including a first nonconductive plate in the first moveable component; and

the providing a second movable component step comprises including a second nonconductive plate in the second moveable component.

32. (Newly Added) The method of claim 25, wherein the first movable component and the second moveable component are operable to be one of rotated and translated.